Performance Data Sheet

AWA9512ZXT

General Information

Model	AWA9512ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
0	Btu/h	11300	9910	8560	7210	5860	4510	3160
	Watts	1610	1570	1520	1470	1410	1360	1300
	Amps	4.75	4.65	4.55	4.44	4.32	4.20	4.07
	Lb/h	209	191	173	154	136	117	98.2
5	Btu/h	13200	11700	10200	8660	7150	5640	4140
	Watts	1670	1640	1620	1580	1550	1510	1470
	Amps	4.86	4.80	4.74	4.67	4.59	4.51	4.42
	Lb/h	240	221	202	183	164	145	126
10	Btu/h	15200	13500	11800	10100	8470	6790	5120
	Watts	1730	1720	1710	1700	1690	1670	1650
	Amps	4.98	4.96	4.94	4.92	4.89	4.85	4.80
	Lb/h	274	255	235	216	196	177	157
15	Btu/h	17300	15400	13600	11700	9840	7990	6140
	Watts	1780	1800	1810	1820	1820	1820	1820
	Amps	5.10	5.13	5.16	5.18	5.19	5.20	5.20
	Lb/h	312	292	272	252	232	211	191
20	Btu/h	19500	17500	15400	13300	11300	9260	7230
	Watts	1820	1860	1890	1920	1950	1970	1990
	Amps	5.21	5.29	5.37	5.44	5.50	5.56	5.60
	Lb/h	353	333	312	292	271	250	229
25	Btu/h	21900	19600	17400	15100	12900	10700	8430
	Watts	1850	1910	1960	2020	2070	2110	2160
	Amps	5.29	5.43	5.55	5.68	5.79	5.90	6.00
	Lb/h	398	377	356	335	313	292	270
30	Btu/h	24500	22000	19500	17100	14600	12200	9770
	Watts	1850	1940	2020	2090	2170	2240	2300
	Amps	5.34	5.53	5.71	5.89	6.06	6.22	6.37
	Lb/h	447	425	403	381	359	337	315

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.201352E+04	1.963760E+03	5.523257E+00	3.513409E+02
C2	6.558243E+02	-1.844338E+01	-4.814420E-02	6.773739E+00

C3	-1.341402E+02	-4.596709E+00	-1.007585E-02	-1.793561E+00
C4	2.052238E+00	-1.185936E-01	2.384538E-05	7.281619E-02
C5	-3.554865E+00	3.932391E-01	8.812280E-04	-1.264778E-02
C6	-3.937661E-03	7.075669E-03	1.573153E-05	4.875647E-04
C7	4.512382E-02	-6.117165E-03	-1.623147E-05	5.083168E-07
C8	-1.878927E-02	2.105738E-03	5.776805E-06	-2.736552E-05
C9	1.986007E-03	-1.507919E-04	-4.511850E-07	7.352322E-06
C10	1.861623E-06	-5.799952E-05	-1.271897E-07	-4.241345E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AWA9512ZXT

General Information

Model	AWA9512ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	21200	19200	17100	15000	12900	10800	8620
	Watts	1790	1830	1880	1920	1960	2000	2040
	Amps	5.19	5.28	5.36	5.45	5.53	5.62	5.70
	Lb/h	346	327	309	289	270	250	229
25	Btu/h	23800	21500	19200	16900	14700	12400	10200
	Watts	1830	1890	1950	2010	2070	2130	2180
	Amps	5.27	5.40	5.53	5.65	5.77	5.89	6.01
	Lb/h	386	366	347	328	309	289	269
30	Btu/h	26500	24000	21400	18900	16500	14100	11600
	Watts	1860	1940	2020	2100	2170	2250	2320
	Amps	5.33	5.51	5.68	5.85	6.02	6.18	6.33
	Lb/h	431	410	389	370	350	331	312
35	Btu/h	29600	26700	23800	21100	18400	15700	13100
	Watts	1880	1980	2080	2180	2270	2360	2450
	Amps	5.36	5.60	5.83	6.05	6.26	6.46	6.66
	Lb/h	483	460	437	416	396	376	357
40	Btu/h	33000	29700	26500	23400	20400	17500	14600
	Watts	1900	2010	2130	2250	2360	2470	2580
	Amps	5.36	5.66	5.95	6.23	6.49	6.75	6.99
	Lb/h	543	517	492	469	447	426	405
45	Btu/h	36800	33100	29500	26100	22700	19500	16300
	Watts	1900	2040	2170	2310	2440	2570	2700
	Amps	5.32	5.69	6.04	6.38	6.70	7.01	7.31
	Lb/h	612	582	555	529	504	481	459
50	Btu/h	41200	37000	33000	29100	25300	21700	18200
	Watts	1890	2050	2200	2360	2510	2660	2800
	Amps	5.23	5.67	6.09	6.49	6.88	7.25	7.61
	Lb/h	692	658	626	596	569	543	519

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.179012E+04	1.744084E+03	5.548054E+00	3.647634E+02
C2	7.466996E+02	-1.371733E+01	-5.024577E-02	4.637583E+00

C3	-1.132375E+02	-2.430533E+00	-9.509078E-03	-1.550442E+00
C4	3.607055E+00	-1.386397E-01	-2.245464E-04	1.092662E-01
C5	-4.841868E+00	3.479722E-01	9.217538E-04	-1.876840E-02
C6	-7.006689E-02	4.368590E-03	1.234092E-05	-6.567066E-04
C7	1.095776E-01	-1.274366E-03	-1.194044E-05	1.575245E-03
C8	-9.729580E-02	9.170981E-04	1.029175E-05	-1.420419E-03
C9	2.681467E-02	-1.952030E-04	-2.752647E-06	3.973702E-04
C10	-1.712695E-03	-2.168517E-05	1.297033E-07	-2.878146E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature